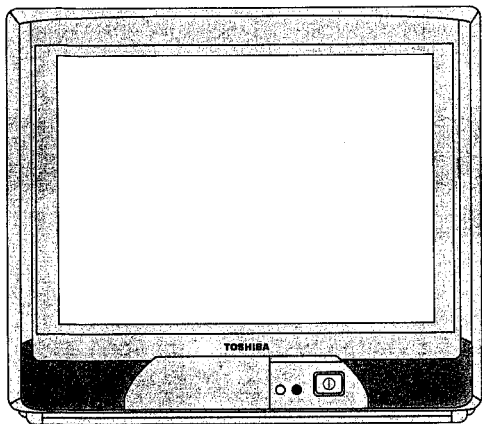


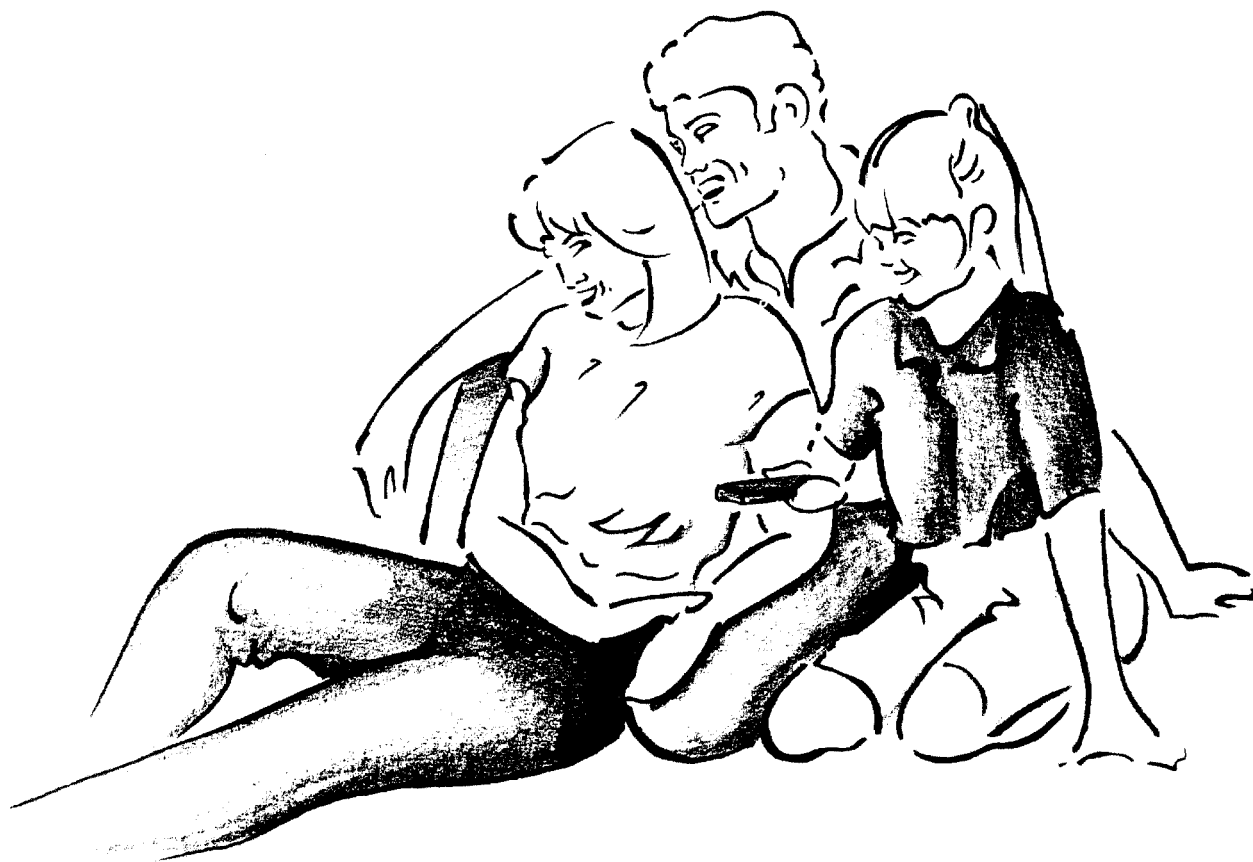
TOSHIBA



Colour Television
with Stereo & Text

2132DS

OWNER'S MANUAL





You have bought a superb new colour television from Toshiba - one of the world's leading manufacturers of quality home entertainment products.

If you follow the instructions in this booklet, your TV will give you many years' trouble-free enjoyment. Please read the instructions carefully before you begin using your TV and, keep the booklet handy for future reference.

This set includes many of the latest features to bring you great pictures and sound. Do take time to read all about them to help you get the very best from your TV.

And don't forget that Toshiba also makes a range of award winning video recorders with design and features which perfectly complement our TVs.

The Toshiba Corporation

Founded in 1875, the Toshiba Corporation is now the world's seventh largest manufacturer of electronic and electrical goods.

Toshiba has made more TV tubes than any other manufacturer in the world and was the first to introduce the Flatter, Squarer Tube (FST). FST technology, which gives sharper pictures and improved colour, has now become the standard TV format.

As well as its market-leading home entertainment products, the company has an amazing range of other business interest's, from communications satellites to hydro-electric power plants. Toshiba equipment helps power Japan's legendary Bullet Train and the company's medical division makes body scanners and other vital life-saving equipment.

Nearly half the world's 1 mega-bit DRAM chips (the micro-chips which supply the brain power of most computerised equipment) are made by Toshiba and the company's portable lap-top computers are the world's number one best sellers.

It's this breadth of experience which helps keep Toshiba in the lead, and gives it's products the edge in technical excellence, design and reliability.

Glossary of terms

Bass/treble control:	As in a Hi-Fi system, the bass and treble levels can be altered to match personal taste via the handset.
BG:	TV broadcast standard.
DK:	TV broadcast standard.
Euro Connector:	A standard 21-pin socket which allows direct audio/visual connection - providing higher quality. For example, for direct connection from Video recorder or Satellite receiver (also known as Scart Socket).
FST (Flatter, Squarer Tube):	A Toshiba innovation that provides a sharper picture, and wider viewing angle without distortion.
Programme Position:	The station or channel assigned to a particular numbered button on the remote control. 40 Programme Positions are available on this television set.
Scart Socket:	See Euro Connector.
Size of Screen:	Screen sizes are measured diagonally across the screen and quoted in centimetres.
Stand-by:	Switches the set to 'Rest' mode to save power over short periods of time.
Text:	Direct page entry for normal teletext information.

GETTING STARTED

Introduction

Optimum reception of colour and text requires a good signal and will generally mean that a loft or outdoor aerial must be used. The exact type and siting will depend upon your particular area and your local Toshiba dealer will be best to advise.

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Installation:

The mains supply required for this equipment is 220v to 240v 50Hz. Never connect to a DC supply or any other power source.

Positioning and connecting your TV.

The following describes the initial set up procedure in order to operate all of the features of your TV. Locate the television where direct sunlight does not impair the picture, soft and indirect lighting is recommended for comfortable viewing.

Leave enough space around the television to allow adequate ventilation and sound response.

Avoid excessively warm locations to prevent possible damage to the cabinet or components.

Do not expose to excessive moisture or humid conditions.

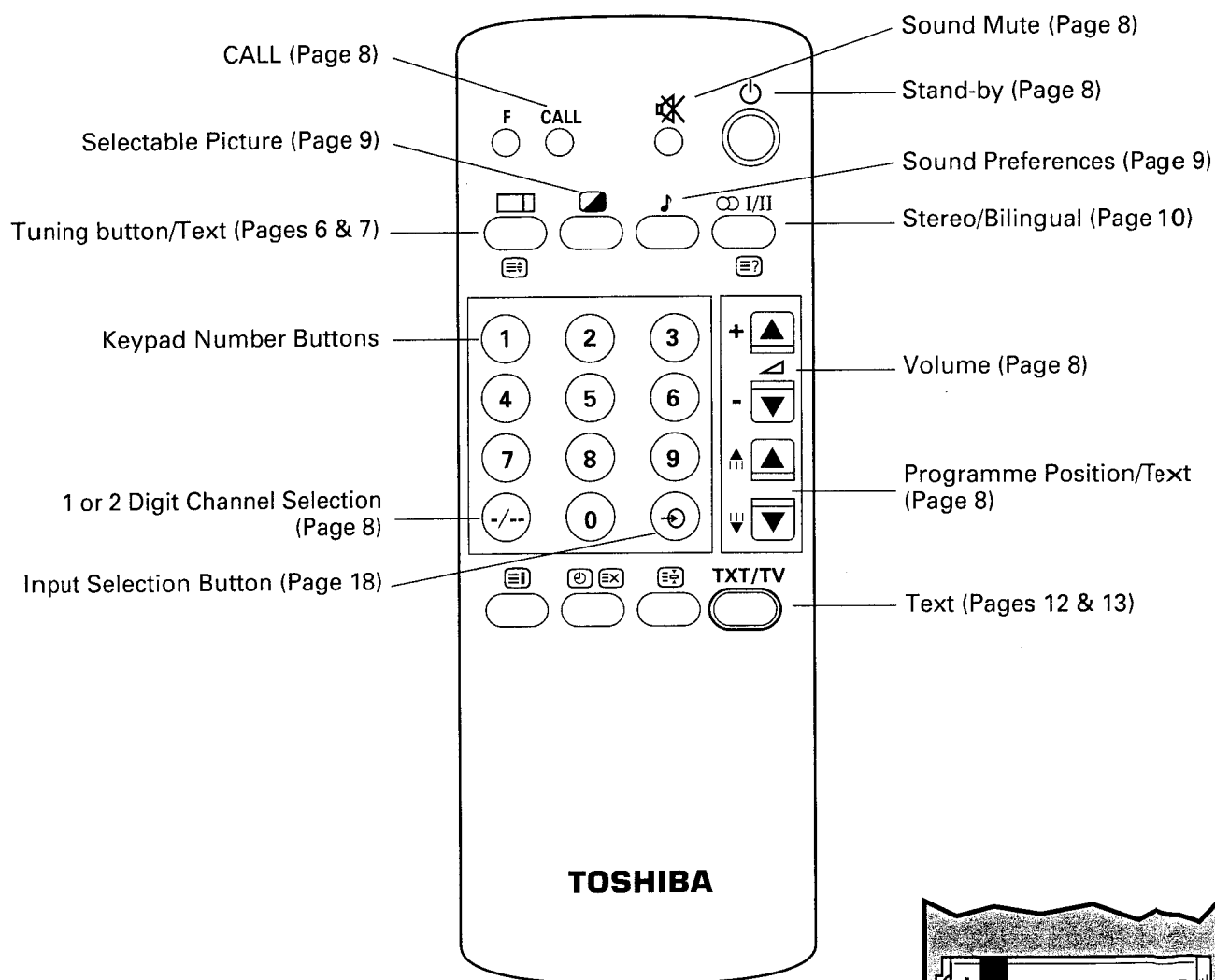
Cleaning the screen and cabinet.

After turning off the power, clean the screen and cabinet with a soft, dry cloth. We recommend that you do not use any proprietary polishes or solvents on the screen or cabinet as this may cause damage.

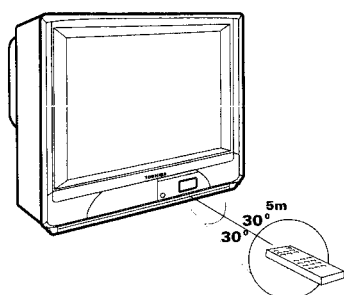
Your remote control

The illustration below is designed to show the areas of the remote control. Individual buttons are described in the text.

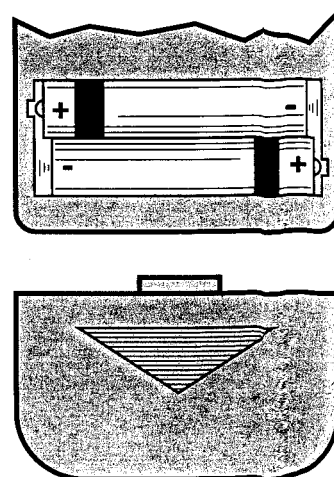
Operation:



Effective Range of the Remote Control



Release the back cover catch of the remote control by pushing in the direction of the arrow. This will reveal the battery compartment (located on the rear). When fitting new batteries take care to observe the correct polarities. All Toshiba batteries are Cadmium and Mercury free. Wherever possible replace with similar batteries. Suitable battery types are: R03, AAA, or UM-4.



Caution:

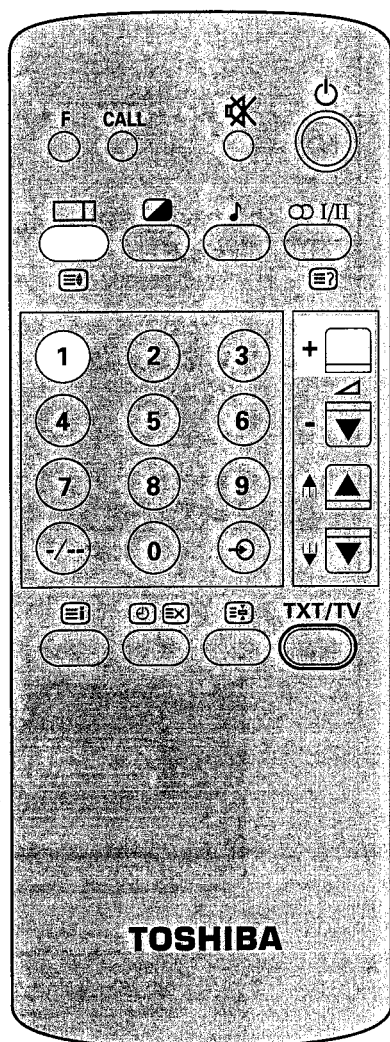
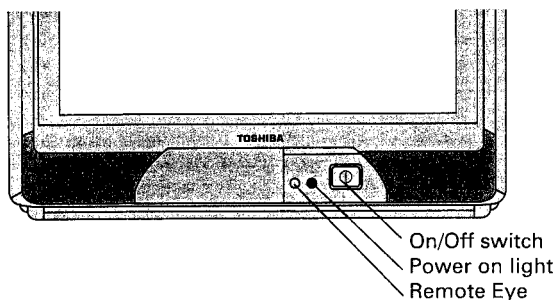
DO NOT throw your batteries into a fire. Dispose of your batteries in a designated disposal area. **DO NOT** combine a used old battery with a new one. **DO NOT** mix battery types.

GETTING STARTED

Tuning in

Due to the complicated map of TV transmitters we are unable to pre-tune your TV. The following simple steps will take you through the process, enabling you to allocate any TV station to any programme position.

Switching on:

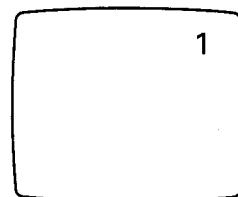


Example: BG for Continental Europe
DK for Eastern Europe.

- 1 Press the on/off switch to turn on the TV.

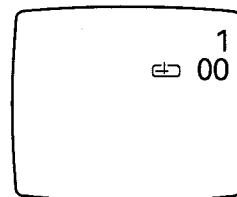
The Power-On red light will glow.

- 2 Press button 1 on the remote control.



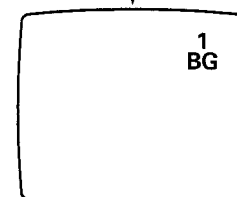
- 3 Press the button on the remote control repeatedly, until the BG or DK symbols appear.

Note: The sequence of displays is as shown.

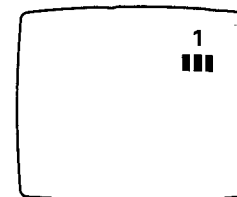
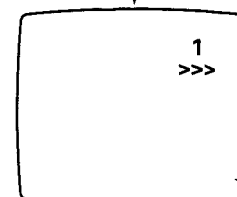


- 4 Select your system using the + button, ie BG or DK.

BG for Continental Europe.
DK for Eastern Europe.




- 5 Press the button to return to the >>> display.



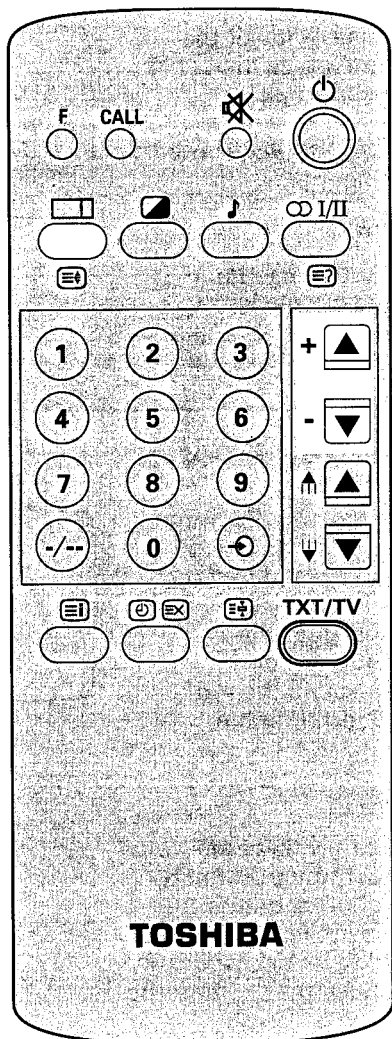
Do not worry if the display disappears, simply pressing the button again recalls the display.

Tuning in

Read steps 1 & 2 before you start to tune your TV.

NOTE: If the display disappears during step 2, simply press the  button and repeat both steps 1 and 2.

Tuning in:



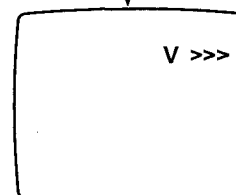
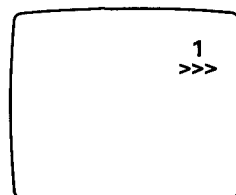
Note: To tune your television to receive from a satellite decoder or video recorder, connected via the aerial lead, refer to page 18.

1

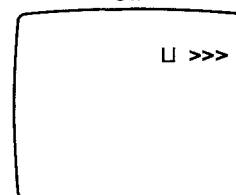
With the adjacent display showing, press the **+** button. The green **>>>** indicator will start to flash while the TV searches both the available bands for a station.

When a station is found, it will be displayed. If the picture quality is poor, due to a weak signal, press the **+** button again to restart the search.

Note: When the end of the first band is reached, the set will automatically commence searching the next band.



OR

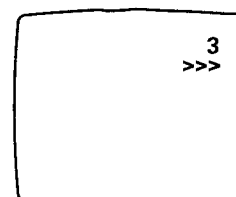
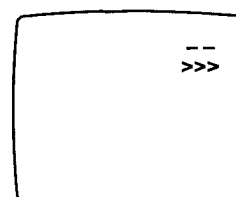


2

When a station is found and the **>>>** has stopped flashing you may enter any programme position number of your choice using the numbered buttons on the remote control unit.

For programme positions 0 to 9, always enter 0 followed by the required number.


Note: If you do not allocate a programme position number to a station, it will not be held in memory.

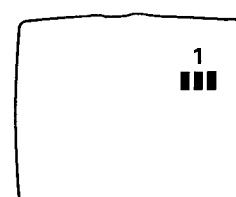


Manual Fine Tune (Not normally necessary)

3

Manual Fine Tune will enable you to search manually up and down to find the strongest signal.

Press the  button repeatedly until the adjacent display appears. Press the **+** (or **-**) buttons to optimise the picture.

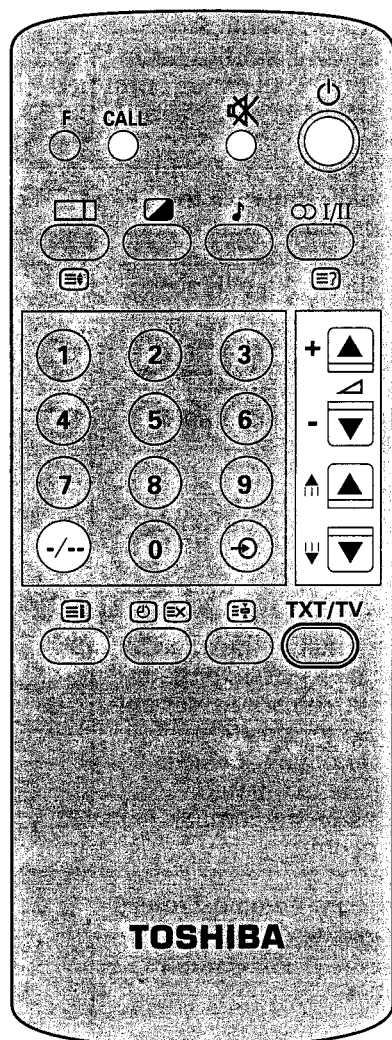


Tuning in is now complete.

Watching TV programmes

Whilst all the necessary adjustments and controls for your new TV are made using the remote control, you can alter the volume ∇ and programme position P using the \blacktriangle or \blacktriangledown buttons located under the flap on the front of the TV set. To open, simply press the centre of the panel. **Please note: The set must be fully tuned-in to enable you to use these buttons.**

Volume settings, changing programme positions using the remote control:



Standby Button P :

This allows you to put the set into standby mode when leaving the TV unattended for short periods of time. To return to TV mode press the P button, or any of the numbered buttons on the remote control.

To alter the volume

- 1 To raise or lower the volume press the \blacktriangle + or \blacktriangledown - buttons.

The display will show the changes.



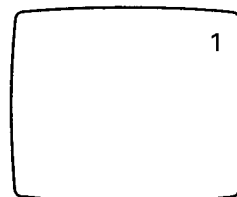
Alternatively:

- 2 The sound can be muted simply by pressing the \times button. Press again to restore.

To change programme position

- 1 To select a programme position press one of the numbered buttons.

The programme position will be displayed in the top right corner of the screen.



Alternatively:

- 2 You can change the programme position by using the \blacktriangle button to increase the programme position by one or the \blacktriangledown to reduce the programme position by one.

- 1 For programme positions below 9, press the -- button to select -- . Enter the desired programme position number using the numbered buttons on the remote control.



- 2 For programme positions above 9, press the -- button to select -- . Enter the desired 2 digit programme position number (10-39).

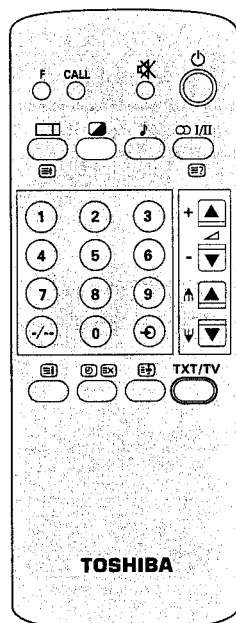


NOTE To identify the current programme position press the CALL button. Press again to cancel the display.





Picture/sound adjustment

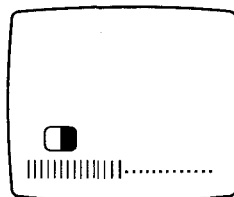
Adjustment may be made to the Contrast, Brightness and Colour by pressing the MENU button, located under the flap on the front of your television. Pressing the MENU button repeatedly, will enable you to select between Contrast, Brightness and Colour. To adjust the levels press the \blacktriangle \blacktriangledown or \blacktriangledown buttons next to the menu button.

Picture adjustment using the remote control:

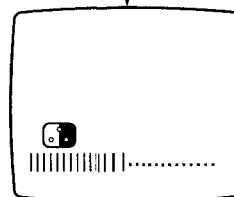
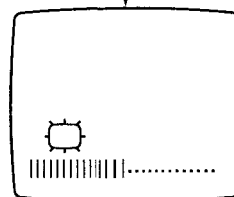


To adjust the Contrast, Brightness, Colour

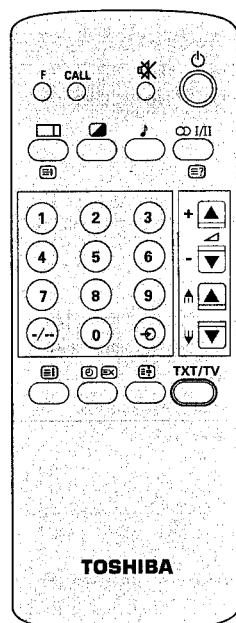
- 1 Press the button  repeatedly to select between the Contrast , Brightness  and Colour .







- 2 You can select your own levels of Contrast, Brightness and Colour. Use the $+$ button to increase the level and the $-$ button to decrease the level. Any changes made will automatically be stored in memory when the display disappears.

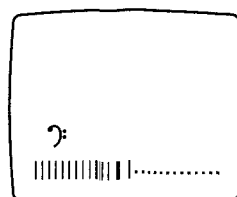





Sound adjustment using the remote control:

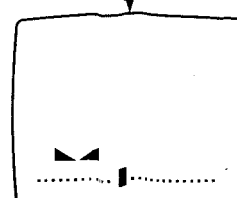
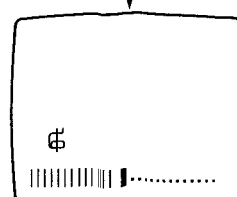



To adjust the Bass, Treble and Balance

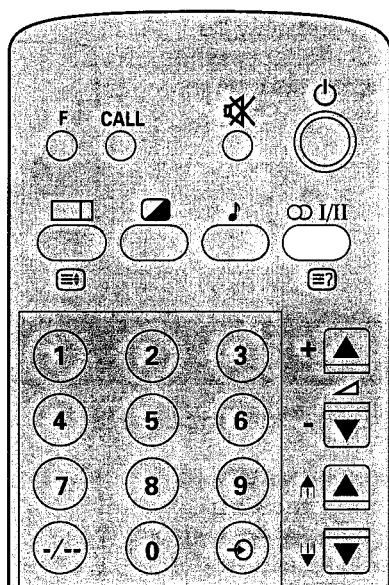
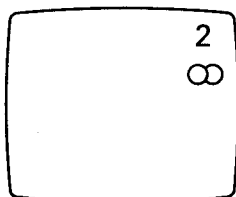
- 1 Press the  button repeatedly to select between Bass , Treble  and Balance .



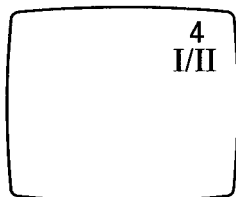
- 2 You can adjust levels of Bass , Treble  and  Balance. Use the $+$ button to increase the level and the $-$ button to decrease the level. Any changes made will automatically be stored in memory when the display disappears.



When stereo broadcasts are transmitted the  symbol will appear in the upper right corner of the screen, whenever you change programme position. **Stereo broadcasts can be transmitted in either stereo or mono.**

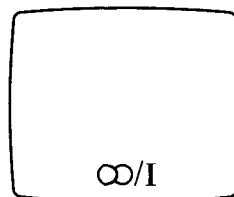


Bilingual transmissions are very rare. If bilingual broadcasts are transmitted the I/II symbol will be displayed.

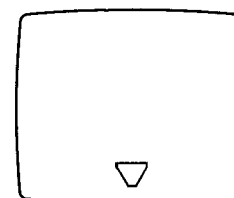
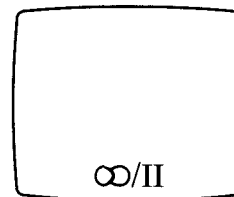


To select stereo mode

- 1** Press the ∞ I/II button. The ∞ /I ∞ /II and ∇ appear alternately in the lower part of the screen.

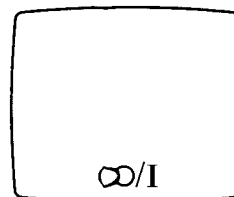


- 2** Select ∞ /I or ∞ /II for stereo sound, or ∇ for mono.

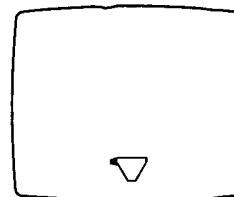
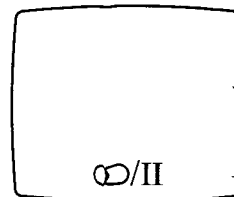


To select bilingual mode (when transmitted)

- 1** Press the ∞ I/II button.
- The ∞ /I ∞ /II and ∇ appear alternately in the lower part of the screen.



- 2** Select ∞ /I for language 1, or ∞ /II for language 2, or ∇ for normal mono this has the same effect as language 1.

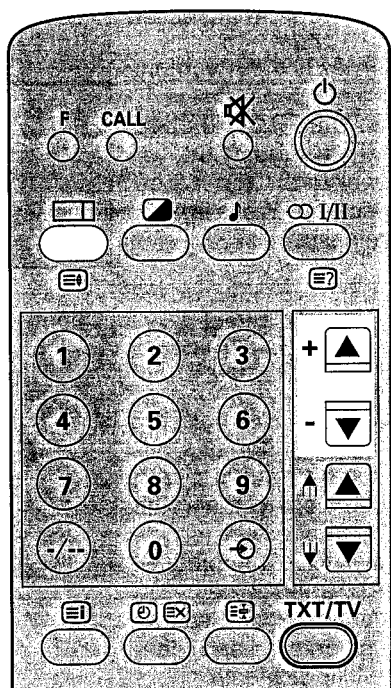


Symbol	Soundtrack	Bilingual
∞/I	Stereo	Language 1
∞/II	Stereo	Language 2
▽	Mono	Mono

Timer facilities

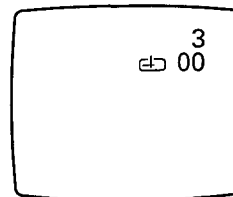
The Timer is especially useful if you want the television to turn itself to standby after a selected period of time ie 30, 60, 90 or 120 minutes. For example: If you want the set to turn itself to standby in 30 minutes time follow the procedure below.

Timer:

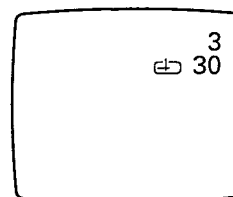


To select the Off Timer

- 1 Press the button to bring up the adjacent display. Press the **+** button repeatedly to select between 30, 60, 90 and 120 minutes.



Pressing the **-** button allows you to decrease the time - 120, 90, 60 or 30.

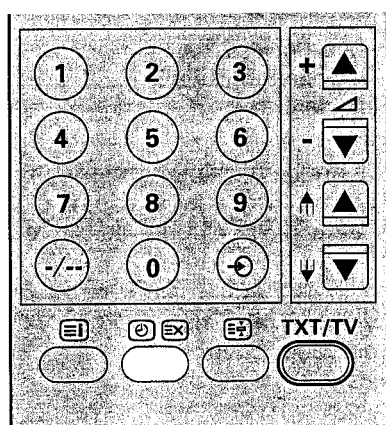


Allow the display to disappear - the timer is now set.

Note: After the timer has operated - to return the set to TV mode press either the button or any of the numbered buttons on the remote control.

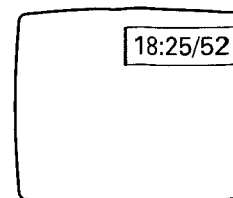
'No Signal - Automatic Off', Time Display:

This sets incorporates a 'No Signal - Automatic Off' feature which will turn the TV to standby approximately 15 minutes after the broadcast station closes down.



To select the Time Display

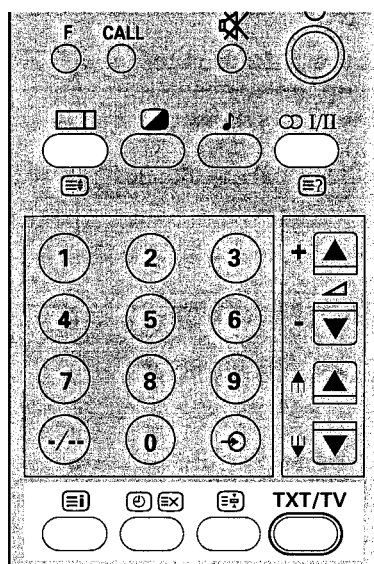
- 1 If you press the button whilst watching a normal TV broadcast, you will see a very accurate time display appear in the top right corner of the screen. (ie 6.25 and 52 seconds p.m.)



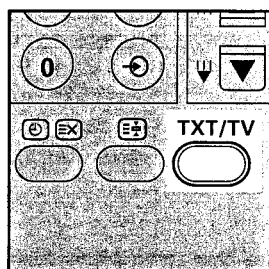
The text buttons on the remote control

Below is an introduction to the text buttons on your remote control and their functions.
Please Note: It is not possible to change programme positions whilst in text mode.

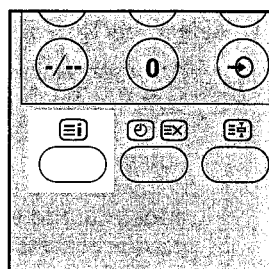
Text:



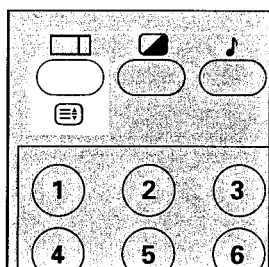
- 1** **TXT/TV To display a page of text:**
Press the **TXT/TV** button to display the initial page. Press again to superimpose the text over a normal broadcast picture. Press again to return to normal TV mode.



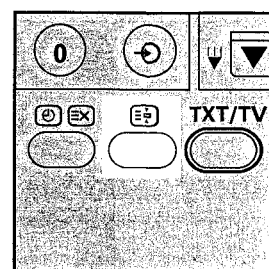
- 2** **To display an index page:**
Press the **[Index]** button to call up the index page for the subject area you are viewing. If you are viewing a section index, by pressing the **[Index]** button again you will see the general index.



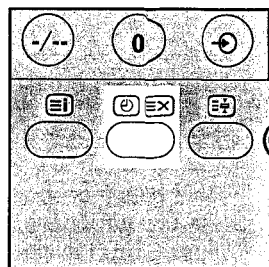
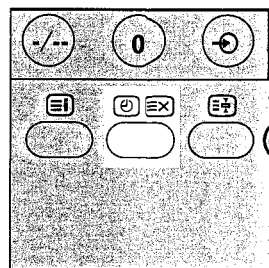
- 3** **To enlarge the text display size:**
Press the **[Enlarge]** button once to enlarge the top half of the page, press again to enlarge the bottom half of the page. Press again to revert to the normal size.



- 4** **To hold a wanted page:**
At times it is convenient to hold a page of text. Press the **[Hold]** button and the **[Hold]** symbol will appear in the top left of the screen. Press again to release.

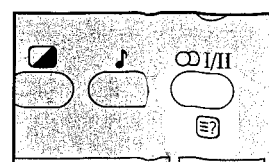


- 5** **To select a page whilst viewing a normal picture:**
If, whilst in text mode, the **[Page Select]** button is pressed, a normal picture will be displayed and the **[Page Select]** symbol will be displayed in the top left-hand corner of the screen. A page selection can be entered and the TV will indicate its presence by replacing the **[Page Select]** symbol with the selected page number. Press the **TXT/TV** button to view the page.
For Example: To display news flashes as they are broadcast. Select the news flash page for the particular text service (see the index page of text service). Press the **[Page Select]** button. The news flashes will be displayed as and when they are broadcast. Press the **[Page Select]** button to cancel the display.



Note: It will not be possible to change programme position whilst in this mode, you will have to press the **TXT/TV** button to cancel the text first.

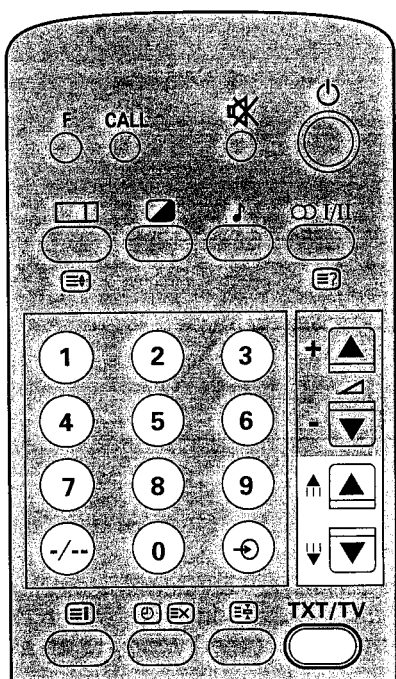
- 6** **To reveal concealed text:**
Some pages cover topics such as quizzes and jokes. To discover the solutions press the **[Reveal]** button.



Text

Using Text:

When you first select text you see an index page which briefly outlines the main subject areas and their relevant pages.



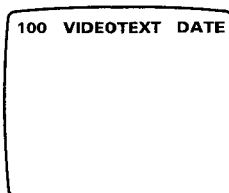
Note: If when viewing text, the display is to one side, adjustment can be made using the picture centring control as described on page 15.

A feature of this set is that the TV will hold 8 pages of text in its memory. This will give you fast access to the 6 following pages and 1 previous page of text.

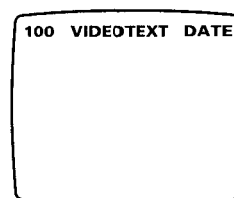
For example: If you are currently viewing page 350, by pressing the button you can quickly access and view the following 6 pages. Alternatively by pressing the button you can view the previous page.

1

Press the **TXT/TV** button to select Text mode. Enter the required 3 digit page number using the numbered buttons on the remote control unit.

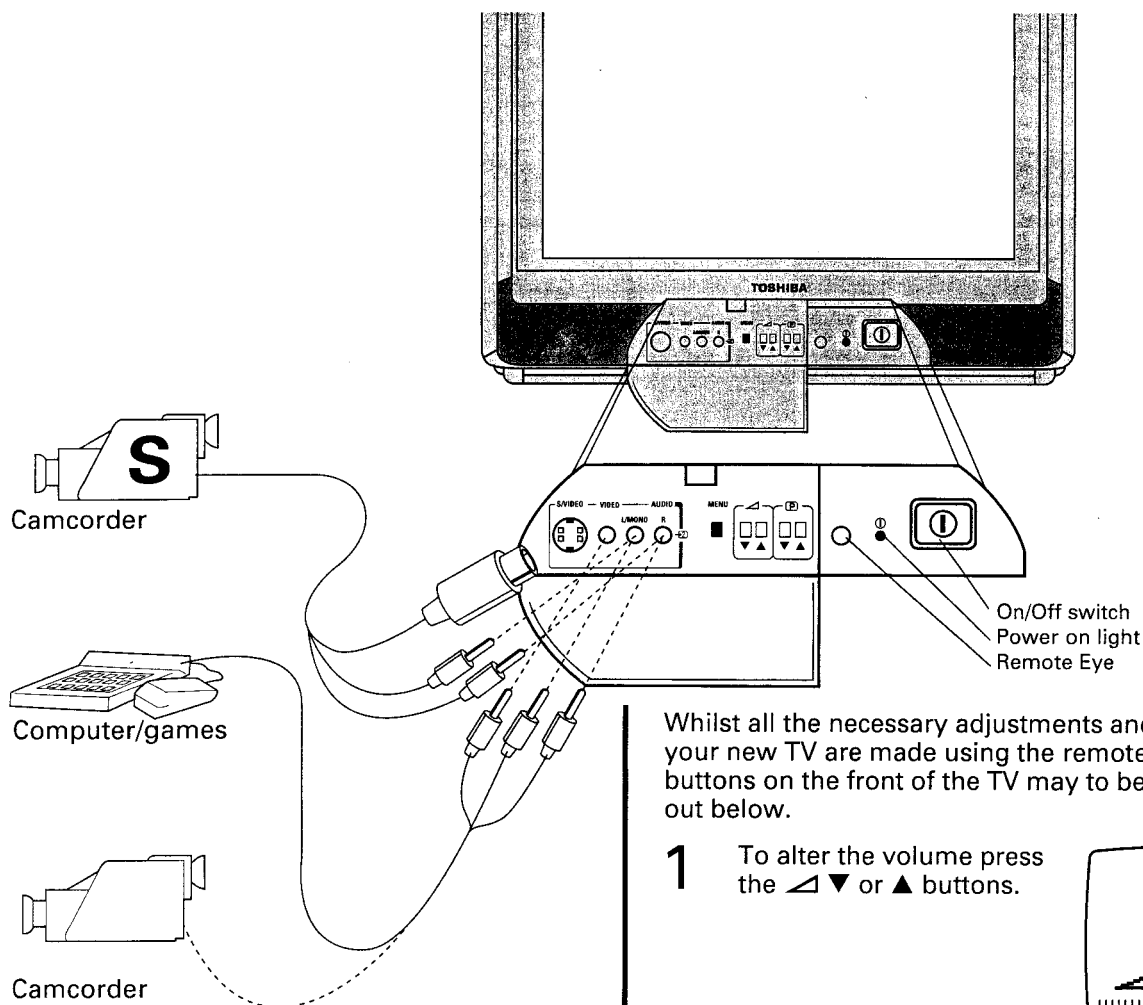


To go forward one page press the button, to go back one page press the button.



TV front connections

For your convenience you can now make connection of camcorders, computer games etc. much more easily. These are accessible through the sockets located behind the flap on the front of the TV set. To open, simply press the centre of the panel. **Note:** The set must be fully tuned-in to enable you to use these buttons.

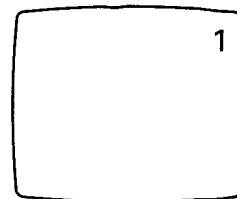


Whilst all the necessary adjustments and controls for your new TV are made using the remote control, the buttons on the front of the TV may to be used as set out below.

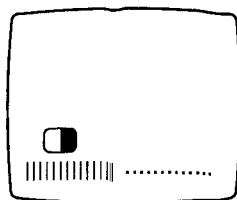
- 1** To alter the volume press the or buttons.



- 2** To alter the programme position press the or buttons.



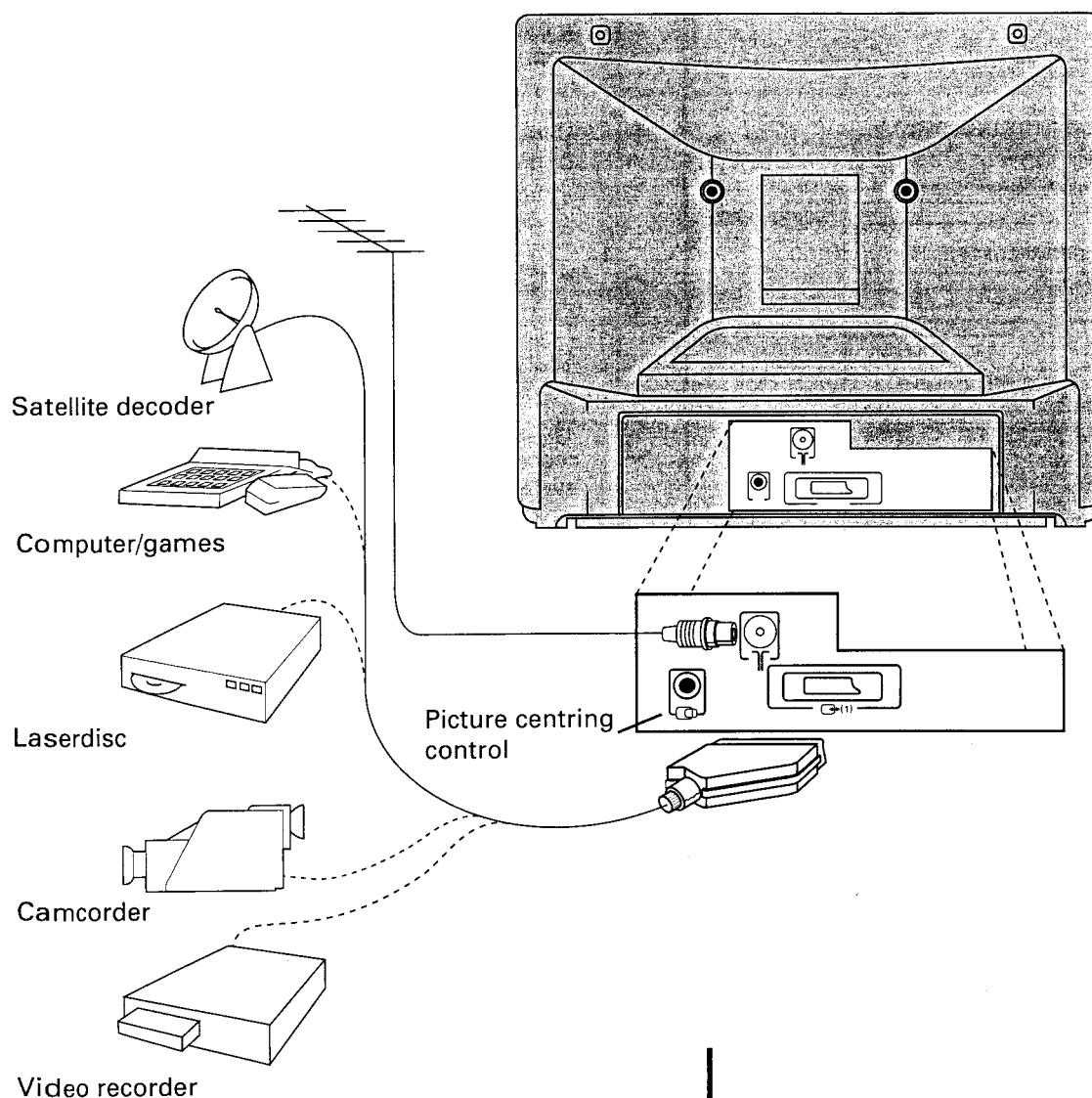
- 1** Pressing the MENU button repeatedly, will enable you to select between Contrast Brightness and Colour .



To adjust the levels press the or buttons next to the menu button.

TV back connections


The diagram below illustrates some of the possible connections for auxiliary equipment. Please refer to pages 16/17 or the relevant handbook for further details.



Picture Centring Control

The picture centring control is factory set and should need little or no adjustment, however, if when viewing text or using a computer the display is to one side, adjustment to a central position can be made using this control.

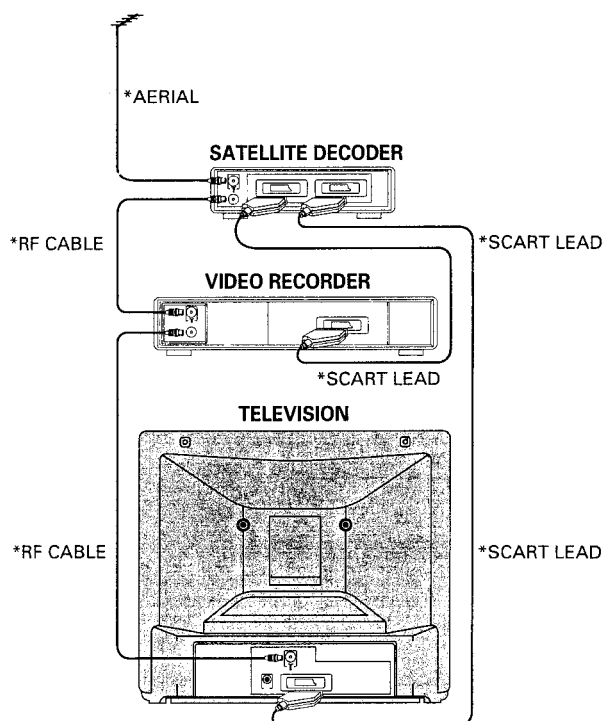
One Shot Memory

When you connect a Satellite Decoder or Video Recorder via a scart lead, you may discover that the TV automatically switches over to give priority to the auxiliary equipment. To reset the TV simply press the desired programme position button. To recall the auxiliary equipment, press the  button.

Connecting satellite decoder/video recorder

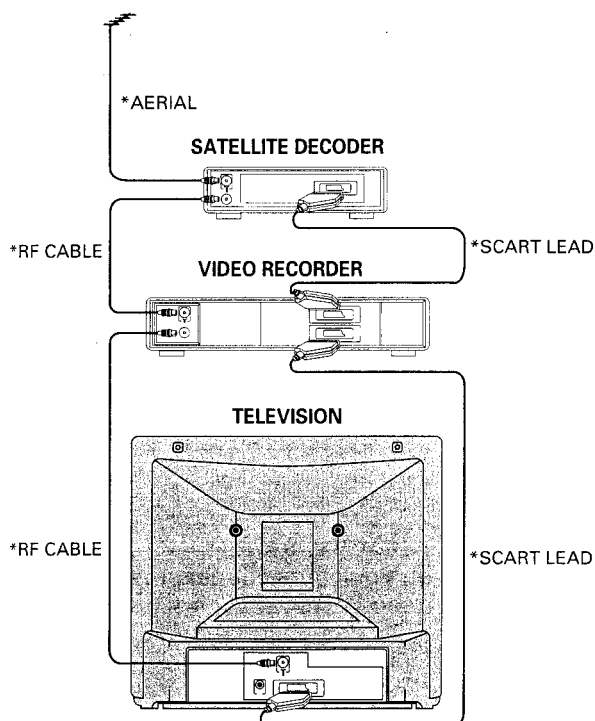
Shown on these two pages are some basic connections for other equipment. If your particular 'Set-up' is not shown, please contact your local dealer, who will be able to advise you accordingly. For the best results we recommend that you use Scart connectors whenever possible.

Connecting a Satellite Decoder/Video Recorder:



To connect a satellite decoder with 2 Scart sockets to a video recorder with 1 Scart socket and then to your television.

- 1 Connect the Aerial/R.F. Cable as shown opposite.
- 2 Connect the Scart leads as shown.
- 3 This configuration will now enable you to record directly from the Satellite Decoder in stereo (if your equipment has this facility).



To connect a satellite decoder with 1 Scart socket to a video recorder with 2 Scart sockets and then to your television.

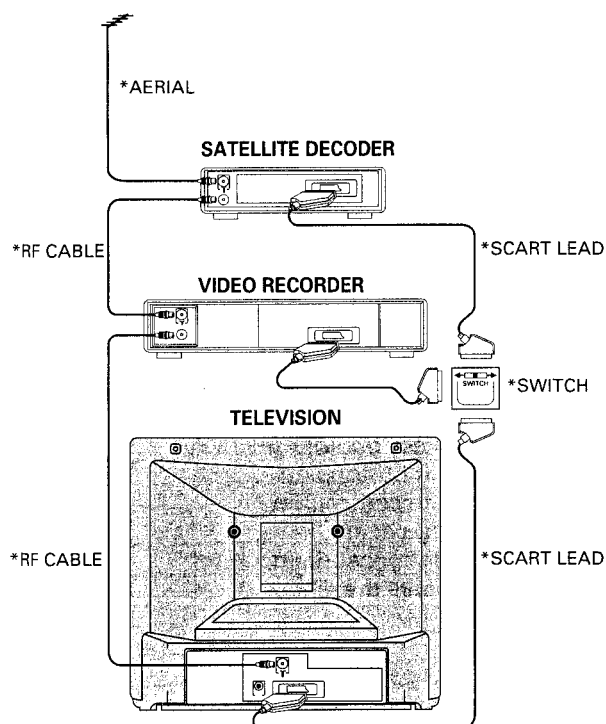
- 1 To connect the Aerial/R.F. Cable as shown opposite.
- 2 Connect the Scart leads as shown.
- 3 This configuration will now enable you to record directly from the Satellite Decoder in stereo (if your equipment has this facility).

* Not supplied with this television.
Full specification Scart leads are required.

Connecting satellite decoder/video recorder

Note: When using Scart connectors there is a possibility that normal terrestrial TV reception may not be possible whilst recording from a satellite receiver. For best advice, contact your local dealer.

Connecting a Satellite Decoder/Video Recorder:



To connect a satellite decoder with 1 Scart socket and a video recorder with 1 Scart socket to your television via a switch.

- 1** Connect the Aerial/R.F. Cable as shown opposite.
- 2** Connect the Scart leads as shown.
- 3** This configuration will now enable you to record directly from the Satellite Decoder in stereo (if your equipment has this facility) whilst watching a terrestrial TV programme.

* Not supplied with this television.
Full specification Scart leads are required.


Connections, specifications, accessories

Connections:

This set has a 21 pin Scart socket which enables you to connect a wide range of audio/video equipment (see pages 16 and 17).

If your auxiliary equipment does not have a Scart socket: connect the video, satellite decoder etc. to the TV via the aerial socket.

To tune your TV to a video recorder/satellite decoder, press the 'Power On' button and either play a pre-recorded tape (on the video recorder) or simply leave the satellite decoder in play.


Press the  button on the remote control repeatedly until the >>> appears. Press the + button to commence the search.





When the playback is found, assign your chosen programme position(s).

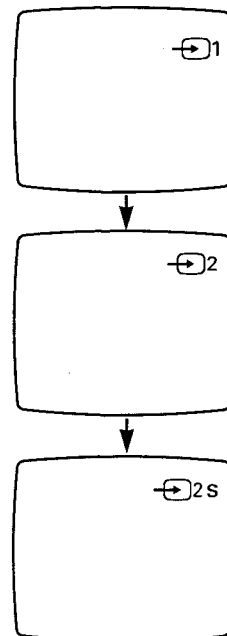
(Full details on tuning in are to be found on pages 6 and 7 of this handbook.)

Automatic Input Selection

- 1 If any auxiliary equipment is connected to this TV via the scart connector, you may discover that the TV automatically switches over to monitor the equipment. This depends upon the type of auxiliary equipment connected.

To return to TV mode simply press one of the numbered buttons on the remote control. To view the auxiliary equipment once again, simply press the  button.

If the TV does not switch over automatically, press the  button to select between input  (Scart 1) or input . Press the  button to return to TV mode.



Specifications:

Receiving system

Programme Positions

Sound output

(at 10% distortion)

Visible Picture*

Dimensions

Power consumption

(at AC 220-240V 50Hz)

Weight

BG VHF: 2-4, 5-12, S1-20, UHF: 21-69

DK VHF: 1-12, UHF: 21-69

40

5W + 5W rms

51cm 90 degree deflection

526 mm (W) 482 mm (H) 488.2mm (D)

103W Standby: 5.5W

21.4 Kg (approx)

* Measured diagonally

Accessories:

1 Remote control

2 (RO3, AAA) batteries

For your guidance

Safety tips:

SOME DO'S AND DON'TS ON THE SAFE USE OF EQUIPMENT. PLEASE READ THE FOLLOWING POINTS CAREFULLY. THEY ARE OF A GENERAL NATURE, INTENDED TO HELP YOU WITH ALL YOUR ELECTRONIC CONSUMER PRODUCTS. SOME ITEMS MAY NOT APPLY TO THE GOODS YOU HAVE JUST PURCHASED.

This equipment has been designed and manufactured to meet international safety standards, but like any electrical equipment, care must be taken if you are to obtain the best results and safety is to be assured.

DO read the operating instructions before you attempt to use the equipment.

DO ensure that all electrical connections, including the mains plug, extension leads and inter connections, between pieces of equipment, are properly made and in accordance with the manufacturers instructions. Switch off and withdraw the mains plug when making or changing connections.

DO be careful with glass panels or doors on equipment.

DON'T continue to operate the equipment if you are in any doubt about it working normally, or it is damaged in any way - switch off, withdraw the mains plug and consult your dealer.

DON'T remove any fixed cover as this may expose dangerous voltages.

DON'T leave equipment switched on when it is unattended, unless it is specifically stated that it is designed for unattended operation or has a standby mode. Switch off using the switch on the equipment and make sure your family know how to do this. Special arrangements may need to be made for infirm or handicapped people.

DON'T use equipment such as personal stereos or radios so that you are distracted from the requirements of traffic safety. It is illegal to watch television whilst driving.

DON'T listen to headphones at high volume, as such use can permanently damage your hearing.

DON'T obstruct the ventilation of the equipment for example, with curtains or soft furnishings. Overheating will cause damage and shorten the life of the equipment.

DON'T use makeshift stands and NEVER fix legs with wood screws - to ensure complete safety always fit the manufacturer's approved stand or legs with the fixings provided, according to the instructions.


DON'T allow electrical equipment to be exposed to rain or moisture. ABOVE ALL - NEVER let anyone, especially children, push anything into holes, slots or any other openings in the case - this could result in a fatal electric shock - NEVER guess or take chances with electrical equipment of any kind - it is better to be safe than sorry.

Cleaning the screen and cabinet.

After turning off the power, clean the screen and cabinet with a soft, dry cloth. We recommend that you do not use any proprietary polishes or solvents on the screen or cabinet as this may cause damage.

Simple problem solving:




No Picture or Sound.

Check mains switches are on, press . Plug into a known working mains socket. 'Timer off' facility has operated, or No signal - automatic switch off' facility has activated.

Poor or no Picture.

Try a different TV station, check your aerial and connections. Adjust fine tuning.

Good picture but no sound.

Press  or press  .

Remote Control does not work.

Check the batteries.

If you have problems with text.

Go to the main index page of the text service and look for the User Guide. This will explain the basic operation of text in some detail.

Coloured patches on screen.

Caused by magnetic field interference, turn off TV for 10 minutes, turn on again, fault of temporary nature.

VTR or Satellite picture in Black and White.

Ensure the correct input socket is being used and that the socket is not switched to S-VHS.

OTHER

You may wish to log your programme/station selection as follows:

Programme Identification:

0		14		28	
1		15		29	
2		16		30	
3		17		31	
4		18		32	
5		19		33	
6		20		34	
7		21		35	
8		22		36	
9		23		37	
10		24		38	
11		25		39	
12		26			
13		27			

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